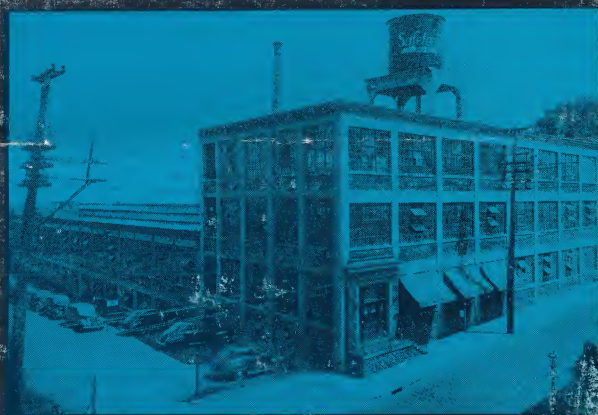


Safetee
FIRST!

IN LAMINATED GLASS!

Safetee
FIRST IN

RESEARCH AND DESIGN
CUSTOM PRODUCTION
INDEPENDENT PROCESSING
COMPETITIVE SELLING



SAFETEE GLASS COMPANY

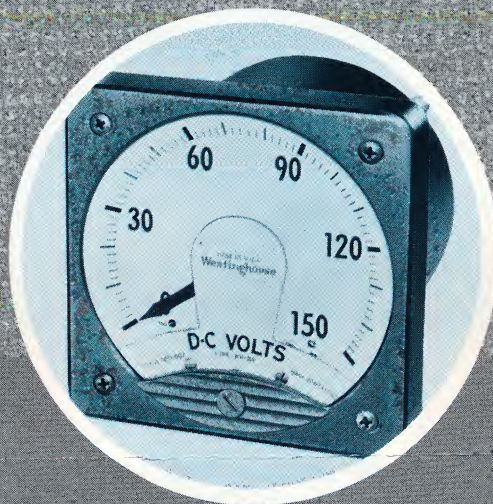
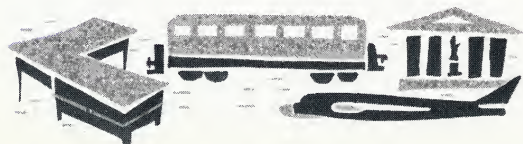
4719 STENTON AVENUE, PHILADELPHIA, PA. 19144



LAMINATED GLASS

Safetee Glass Company — the originator of laminated glass in the United States has developed the most versatile line of laminated glass products in the world. Safetee Glass Company pioneered safety automobile glass and then extended this same pioneering spirit and know how into almost every segment of American industry where a safety factor in glass is a consideration.

APPLICATIONS: AUTOMOTIVE, TRANSPORTATION, PATIO DOORS, PROTECTIVE SCREENS, BLAST AREAS, SOUND PROOF PARTITIONS, BOATING, AIRCRAFT, GENERAL GLAZING, HOSPITALS, SCHOOLS, AQUARIUMS, DISPLAY CASES, CURTAIN WALL, DECORATIVE GLASS.



LENSES: INSTRUMENT GLASS

Lenses and instrument glass to fill any need is being manufactured by Safetee Glass all under one roof. These products can be manufactured to your specifications. Any size or shape is available and in any combination of glass and plastic laminates. Lettering, numerals and hair lines can be silk screened and laminated in the product. Edges can be plain, beveled, ground, polished or metal covered. Flush, recessed, tapered or plain holes are available.

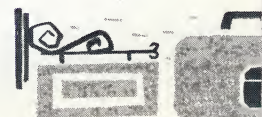
APPLICATIONS: AIRCRAFT INSTRUMENTS, MARINE INSTRUMENTS, PRESSURE GAUGES, CHEMICAL APPARATUS, OSCILLOGRAPHS, GAS MASK LENSES, DIVING MASKS, FIRE CONTROL INSTRUMENTS, INDUSTRIAL GOGGLE LENSES, ELECTRONIC INSTRUMENTS, ELECTRICAL RECORDINGS, TEMPERATURE CONTROL METERS.

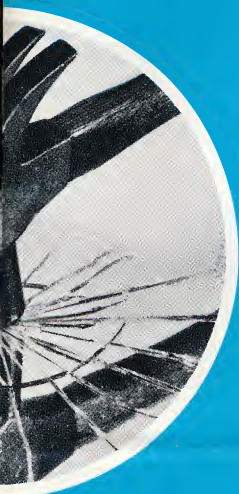


SEA BRILL MIR

Here is a product with its safety factor competitive with the brilliance of Safetee LIANCE® mirrors is the reflecting surface permanently sealed between two plain or tempered glass panes. Another Safetee top product is a transparent one way mirror. Two products combining safety and design. Safetee Glass Company is a source of mirror products for every industry.

APPLICATIONS: AVAILABLE FOR EVERY USE, SODA FOUNTAINS, FURNITURE, SIGNS, WALL HANGERS, LUGGAGE DOOR PANELS, VENDING MACHINES, ETC.





LED ANCE RORS

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's "SEALED BRIL-
forever contained in
e which is perma-
two layers of either
ass. The "TITAN®"
quality product is a
vision mirror. These
d with Safetee's re-
service and custom
stitute an endless
ducts for home and

IN SINGLE OR DOUBLE
SHOWCASES, BACK BARS,
URE TOPS, ADVERTISING
GAGE, HAND BAGS, DOOR
MACHINES, SLIDING PAR-



BULLET RESISTING GLASS

Bullet resisting glass by Safetee Glass is a high impact resisting product, Underwriter approved and first developed and patented by Safetee Glass Company in 1925. This product is fabricated from three or more layers of plate glass and two or more layers of vinyl plastic, depending on the desired protection. Our research and design facilities are available to help you give your client a product that will fill his needs properly.

APPLICATIONS: BANKS, TELLER CAGES, DRIVE-IN DEPOSITORIES, JAILS, AIRCRAFT, MENTAL HOSPITALS, POLICE CARS, ARMORED CARS, MILITARY EQUIPMENT, CURRENCY EXCHANGES, JEWELRY DISPLAY CASES, INDUSTRIAL PLANTS (PROTECTION AGAINST FLYING OBJECTS).



TEMPERED GLASS AND PLASTICS

If you require a glass product with inherent strength 3 to 5 times greater than ordinary glass, or a glass that will withstand a temperature range of 500° to -15°F then again Safetee Glass has the product to fill your needs. This product will not shatter and will bend 3 times as far as other glass without breaking.

Available—is a wide range of laminated METHYL METHACRYLATE products custom produced and designed for wherever laminated plastics are required. METHYL METHACRYLATE (Plexiglass) can be shaped and laminated to meet all military and industrial specifications.

APPLICATIONS: AQUARIUMS, BRIDGE SCREENS, CABIN CRUISER WINDOWS, CELL DOORS, DECK LITES, DISPLAY CASES, FIRE SCREENS, FURNACE WINDOWS, GAUGE GUARDS, LABORATORY EQUIPMENT, LENSES, MUSEUM AND ZOO ENCLOSURES, PARTITIONS, PUBLIC BLDGS., TABLE TOPS. **PLEXIGLASS:** AIRCRAFT, ADVERTISING DISPLAY, MILITARY.





Safetee Glass Company, since its founding in 1914, has continually worked to establish its now well known and accepted reputation for research and quality control in manufacturing. This reputation, backed by the constant search for new methods, assures the buyer in all phases of industry that he can depend fully and without hesitation on Safetee Glass Company to produce well within the limits of his every need. This reputation, plus management's complete insistence on meeting all delivery and manufacturing schedules both for The Government and private industry, has established Safetee as the number one glass fabricator in the United States.

All manufacturing and research is done in our modern up to date plant, which offers the services of a resident military inspector and security clearance to meet the requirements of your task. Daily, this facility produces glass products to special tolerances that require the attention and know how that only Safetee can supply.

The complete research and development operation at Safetee is available to solve any glass problem regardless of its complexity. The imaginative and creative thinking available to you through this department is the same imagination and creativity that originated laminated glass in the United States.

DIRECT ALL INQUIRIES TO DEPARTMENT H

Safetee Glass
SINCE 1914
TRADE MARK

SAFETEE GLASS COMPANY

4719 STENTON AVENUE, PHILADELPHIA, PA. 19144

CABLE ADDRESS — SAFEGLOSS

Telephone: DA 9-1200—8433—8438



CABLE ADDRESS "SAFEGLASS"

SAFETEE GLASS COMPANY

PHILADELPHIA 44, PA.

DAVENPORT 9-1200

OFFICE OF THE DIRECTOR OF SALES

November 10, 1965

Mr. T. H. Nelson
Box 1546
Poughkeepsie, New York 12603

Dear Sir:

In answer to your inquiry to COMPUTER DESIGN you will find two brochures enclosed which describe the products which we manufacture here at Safetee Glass Company.

We have been in business for 51 years as you can see from our literature. We are completely familiar with military and civilian specifications.

We would be very pleased to work with you on either prototype or production laminated glass proposals. Please do let us hear from you if you need further information. Thank you.

Yours sincerely

ELMER T. ZIETZ

ETZ/ch
encls.

Safetee BULLET RESISTING GLASS

1-1/8" to 1-3/16" thickness will resist a shotgun and scattered shots from revolvers and pistols of stock pattern in common use, developing up to 1397 ft. per second velocity, and 490 foot pounds energy maximum.

1-1/2" to 1-9/16" thickness will resist high-powered small arms such as revolvers and pistols of unusual power, including custom built, developing up to 1500 ft. per second velocity, and 800 foot pounds energy.

2" up to and including 3" thickness is intended to resist scattered shots from hunting rifles, army service rifles using regulation bullets and armor piercing ammunition. This range of thickness will resist shots developing 2800 ft. per second velocity, and 2400 foot pounds energy.

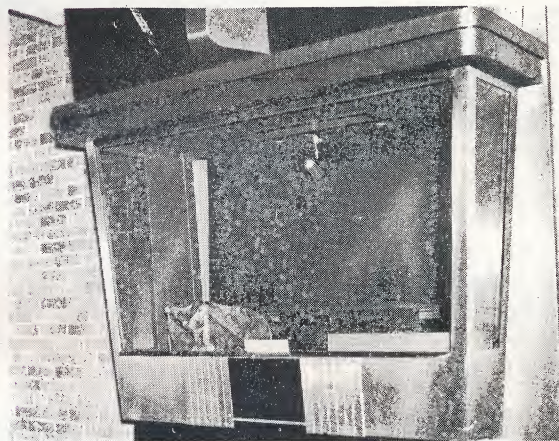
New! Lightweight or Standard 1-3/4" thickness to STOP new .44 magnum — Underwriters listed.

USES...

Banks; teller cages; drive-in depositories	
Jails	Armored Cars
Aircraft	Military Equipment
Mental Hospitals	Currency Exchanges
Police Cars	Savings-Loan Associations
Industrial Plants (protection against flying objects)	

Bullet-resisting glass is a special laminated protective glass first developed and patented by Safetee in 1925. One of its first uses was during the "gangland" era as protection in banks and armored cars, a safety measure which helped considerably decrease the number of robbery attempts.

Safetee's Bullet-Resisting Glass, Underwriters' listed, consists of three or more layers of plate glass and two or more layers of a vinyl plastic bond sealed together under heat and pressure. The type of protection desired determines the thickness to be used. This glass can also be supplied with transparent "one-way" mirrors for use in special armored cars and "look-out" windows, etc.



Modern Drive-in Depository Equipped with Safetee Bullet-resisting Glass

TOLERANCES

MAXIMUM SIZE
58" x 87"

Thickness	Thickness Tolerance	Dimensional Tolerance	Estimated Weights Lbs. Per Square Foot Unpacked
3/4"	±1/16"	+0, -1/8	9.71
7/8"	+1/8, -0	+0, -1/8	11.36
1"	+1/8, -0	+0, -1/8	13.01
1 1/8"	+1/8, -0	+0, -1/8	15.12
1-3/16"	+1/8, -0	+0, -1/8	15.12
1 1/2"	+3/16, -0	+0, -1/8	20.04
1-9/16"	+3/16, -0	+0, -1/8	20.04
2"	+3/16, -0	+0, -1/8	27.97
2-3/32"	+3/16, -0	+0, -3/16	27.97
2 1/2"	+3/16, -1/16	+0, -1/4	33.03
3"	+3/16, -1/16	+0, -1/4	39.63

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FOR PROTECTION

SAFETEE GLASS COMPANY

4717 STENTON AVENUE, PHILADELPHIA, PA. 19144

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**Originators, Designers and Manufacturers of
QUALITY LAMINATED GLASS PRODUCTS SINCE 1914**

Automotive • Aircraft • Transportation • Specialties • Tempered • "Sealed Brilliance" Mirrors • Specialties • Lenses
Gemguard • Instrument Covers • Goggles • Mask Lenses • Clear and Colored Glass • Pseudotique

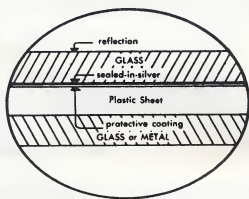
Safetee SEALED BRILLIANCE MIRRORS

Permanent brilliance of the reflecting surface is sealed between two layers of glass so that discoloration and deterioration are virtually impossible, thus eliminating the need for costly, bothersome resilvering. Salt air, tropical humid climates, sulphur fumes, acids, or age will not affect its brilliance. It is especially ideal for marine and transportation units — land — air — sea, and areas near salt water.

There can be no comparison with any other type of mirror for its safety factor — its ability to withstand impact and shock. The method of bonding together the glass by an interlayer of plastic gives it amazing strength and safety value. If it does break, the glass will not scatter or splinter but will adhere to the plastic preventing the danger of injury.

Safetee "Sealed Brilliance"® Mirrors are usually made of two pieces of annealed glass but for special purposes they can be made with "Super-Glass-HT"® or a laminated combination of annealed and tempered.

Available in single or double face for every use — show cases — back bars — soda fountains — furniture tops — advertising signs — wall hanging — luggage — hand-bags — door panels — vending machines — sliding partitions, etc.



Specifications . . .

Polished plate or highest grade sheet glass.
Commercial thicknesses, including Bullet
Resisting.

Maximum sizes - Regular — 58" x 88"
Transparent — 50" x 76"

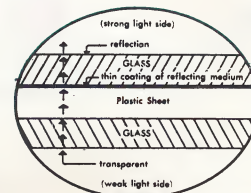
Tolerances - Dimensional $\pm 1/32"$
Thickness $+ 1/16"$, $- .000"$

Wide range of colors.

Can be made to conform to Specification MIL-M-1158B.

For aircraft use, or when light weight is required, aluminum backings as thin as .005" can be furnished

Safetee "Sealed Brilliance" Mirrors are the finest mirrors made giving advantages found in no other type. Only through our special process of lamination is it possible to secure a mirror that defies both exposure and impact.



A most important member of the "Sealed Brilliance" family is the "TITAN"® transparent (one-way vision) mirror — the ultimate in transparent mirrors — offering protection to the coated reflecting surface PLUS the safety value of preventing injury if the mirror should be cracked.

The coated surface is a thin, hard alloy reflecting film of unusual transparency and uniformity. For everlasting protection against weathering, abrasion, and use it is laminated to another glass giving it the same extreme strength and safety factor as our other mirrors.

The ability to withstand terrific impact together with its resistance against scattering and splintering is of importance in such cases as observation windows in hospital psychiatric clinics and college psychology departments. Other uses, both practical and decorative, are security windows in banks, police interrogation rooms, prisons, post offices, show windows, entrance doors, "on-off" lighting signs and displays, toll houses, etc.

The transparency, or one-way vision, is dependent on lighting conditions. The bright strongly illuminated side will reflect, whereas the dim, weak light side is transparent. On the bright side the glass is a beautiful opaque mirror but from the weak light side a person can see through without being observed.

Light transmission is from 5 to 10% and light reflection value from 45 to 55%.

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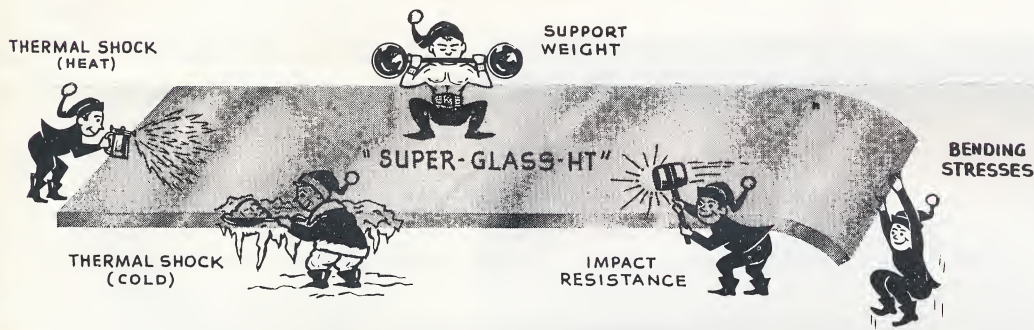
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Originators, Designers and Manufacturers of
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Automotive • Aircraft • Transportation • Specialties • Tempered • "Sealed Brilliance" Mirrors • Specialties • Lenses
Gemguard • Instrument Covers • Goggles • Mask Lenses • Clear and Colored Glass • Pseudotique

Safetee TEMPERED GLASS



While any thickness of glass can be heat treated it is not practical to fully temper very thin glass because of distortion. In general, glass 3/16 inch and thicker can be fully tempered to a MU reading in excess of 2000. Less than 3/16 inch can be tempered only in smaller dimensions and to a MU reading of 700 or less.

Tempered glass may also be laminated with a bonding interlayer of plastic, thus affording the benefit of both types of safety glass.

FEATURES...

- It is three to five times stronger than ordinary glass of the same size and thickness.
It will support a weight 3 to 5 times as great as ordinary glass.
It is four times more resistant to bending stresses.
Impact resistance to blunt objects is 3 to 5 times greater.
- It is resistant to thermal shock in air from 400°F. to 15°F. below zero without breaking.

SOME USES.

Aquariums	Laboratory Equipment
Bridge Screens	Lenses
Cabin Cruiser Windows	Museum and Zoo Enclosures
Cell Doors	Partitions
Deck Lites	Portlights
Display Cases	Public Bldgs.
Fire Screens	Speed Boat Windshields
Furnace Windows	Stove Doors
Gauge Guards	Tabletops

Safetee Glass, originators of laminated glass in America, also offers the finest "Super-Glass-HT"® tempered glass. While it retains the same appearance and clearness as regular glass it has many additional characteristics which open up many new applications heretofore impractical.

It is ideal for glazing near play areas of schools as its impact resistance reduces the hazard of breakage and the danger of injury, eliminating costly reglazing.

Its ability to withstand thermal shock now makes it possible to have inspection windows in ovens and furnaces. Also for fire screens and guards.

For weight reduction it is now possible to use thinner glass while getting increased strength. Important for portlights, etc.

The uses are endless. It is truly a "Super-Glass"!

Availability—Specifications...

Available in rectangles, circles, bent and special shapes. Clear or tinted glass. Polished plate or sheet glass.

THICKNESS: 3/16" to 1"

TOLERANCES:

- (1) Thickness $\pm 1/32$ "
- (2) Dimensional: —Cut Edge, $\pm 1/16$ "
Ground or polished edges, ± 0 ", —3/32"
- (3) Diameters—(external) $\pm 1/16$ "
- (4) Holes—(internal) $\pm 1/32$ "
- (5) Warpage—Up to .010" in glass of 12" max. dimension — 1/2" or more thickness.
Up to .250" in glass of 48" max. dimension — 1/4" thickness.

Safe working temperature 550°F.

Thermal endurance — 400°F. differential.

EDGES: 1/4 inch thickness and less — no edge work required if clean cut and free of chips and shape is rectangular with no dimension more than 24" and no curves or rounded corners.

Over 1/4 inch thickness edges must be seamed, polished or flat ground before tempering.

BEVELS: not recommended due to tendency for edge to have a warpage.

Cannot be more than 1/4" wide on glass less than 1/4" thick.

Cannot be more than 9/16" wide on glass over 1/4" thick.

Must not come to a feather edge.

Exact size and design must be specified, as it cannot be cut after it is tempered. Sand-blasted designs may be done before glass is tempered. Depth not to exceed 1/32". Strength of glass is reduced by one-half.

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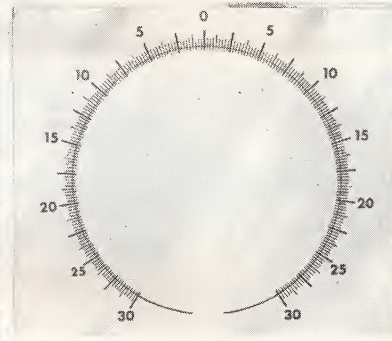
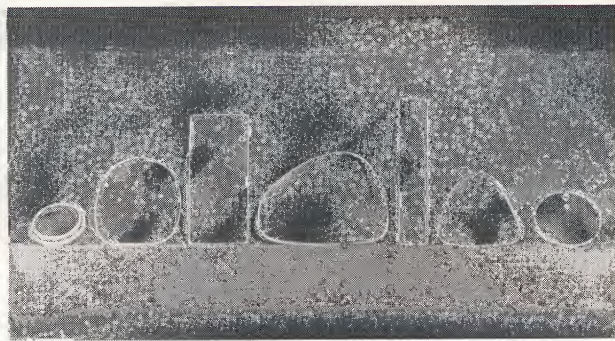
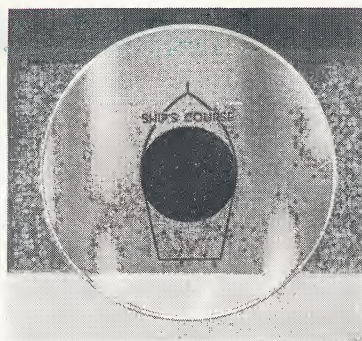
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Safetee LENSES.. INSTRUMENT GLASS

Safetee Glass Company—originators of laminated glass in America—offers a complete line of laminated and tempered glass lenses and instrument covers for many varied uses and applications.

These are quality products which have been proven, through long use in many fields, superior in service and performance. Besides the much desired protection obtained, Safetee Glass products are more economical because of low maintenance, replacement and labor costs.

Our experienced staff is at your service for the design and custom production of any style or type of lenses or instrument covers, made to your exact specifications.

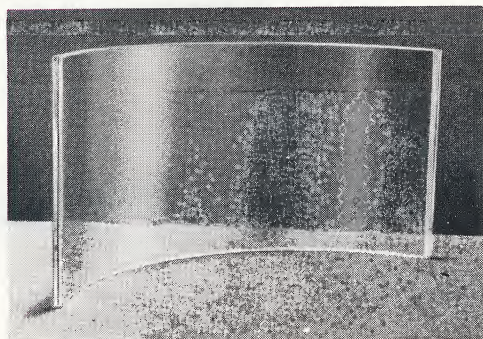


A FEW USES — APPLICATIONS

Aircraft Instruments	Fire Control Instruments
Marine Instruments	Industrial Goggle Lenses
Pressure Gauges	Parking Meters
Chemical Apparatus	Electronic Instruments
Oscillographs	Electrical Recording
Gas Mask Lenses	Temperature Control Meters
Diving Masks	Liquid Level and Flow Gauges

These items can be custom fabricated of plain glass, tempered glass, laminated glass, laminated plastic or combinations of these materials. Thicknesses and tolerances of your specifications can usually be met. Further, any size or shape is available—square, circular, rectangular, triangular, etc. Flat or curved. Clear or colored.

Printing: Silk screen lettering, numerals, hair lines, laminated between glass will not wear off or scratch. Edges can be plain, ground, polished, metal-edged, beveled. Flush or recessed. Holes: straight or tapered.



LAMINATED.....

(Two or more pieces of glass or plastic with bonding plastic interlayer). Although it will crack when struck with sufficient force, the structure of glass and plastic binder will bend and give, preventing sharp pieces from flying. This offers the utmost in protection to valuable and delicate instruments and devices, avoiding breakage and damage from broken glass, theft, moisture, acids and vapor penetration. Available in polished plate for accuracy of vision and mirrorlike beauty, and selected "A" quality sheet giving equal safety factor at lower cost.

TEMPERED.....

("Super-Glass H.T.") A heat-treated plain glass which will support weight 3 to 5 times as great as ordinary glass, and also will bend 3 times as far without breaking. The resistance to impact is about 3 to 5 times as great. It will withstand, without breaking, temperatures of 500°F. to 15°F. below zero. It does not shatter but breaks into innumerable small comparatively blunt edged fragments.

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SAFETEE GLASS COMPANY

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